CURRICULUM VITAE

Name	**: Dr. T. RATHA JEYALAKSHMI**
E-Mail Address	**: drtradha.jl@gmail.com**
Present Career	**: Director Cum Head**
	Dept. of Computer Applications-PG,
	Sri Sarada College for Women,
	Tirunelveli
	Tamilnadu

Nature of work:

- **Organizing seminars, conferences and workshops.**
- **Discharging the duties as Dean of Research and Development.**
- **Handling classes for MCA and M.Phil.**
- **Acting as a course in charge of M.Phil Computer Science.**
- **Uploading the up-to-date details of the MCA course to the AICTE website.**

Educational Qualifications

Cleared SET in 2016

Doctor of Philosophy (Ph.D) in Computer Science, Mother Teresa Women's university, Kodaikanal, August 2011.

Master of Philosophy (M.Phil) in Computer Science, Manonmaniam Sundaranar University, Tirunelveli, May 2003.

Master of Computer Applications (M.C.A), Thiagarajar College of Engineering, Madurai, April 1992.

Bachelor of Science (B.Sc) in Computer Science, Sri Parasakthi College for Women, Courtallam, April 1989.

Research Experience	**: Completed M.Phil in 2003 at**
	M.S.University, Tirunelveli and did

Ph.D in Computer Science at Mother
                                    Teresa Women's University,
                                    Kodaikanal during 2007- 2011.

Research Topic   **: Automated Analysis of Ultrasound**
                                    Imaging of Tissues Using Recent
                                    Techniques

Research Supervisor   **: Dr.K. Ramar,**
                                    Principal,
                                    Einstein Engineering College,
                                    Seethparpanalloor, Tirunelveli,
                                    Tamil Nadu.

College , Research &Teaching Experience   : 24 YEARS

Guide ship Approval   **: Approved as a Research supervisor for**
                                    guiding   Ph.D candidates in
                                    Manonmaniam Sundaranar University

                                    Approved as a Research supervisor for
                                    guiding   M.Phil candidates in IGNOU,
                                    M.S University & Mother Teresa
                                    women's University.

                                    Guided for 12 M.Phil Research Projects

                                    Guided for 51 MCA projects

PAPERS PUBLISHED IN JOURNALS

1. **T. Ratha Jeyalakshmi, K.Ramar, "Segmentation of Uterine Fibroid Using Morphology: An Automatic Approach", IEEE Explore, Proceedings of International Conference on Intelligent Agent & Multi-Agent Systems, ISBN: 978-1-4244-4710-7, 22-24, Jul. 2009, pp.1-6.**

2. **T. Ratha Jeyalakshmi, K.Ramar, "Rule based Segmentation and Feature Extraction of Fluid Filled Uterine Fibroid", International Journal of**

Computer Engineering and Information Technology, ISSN: 0974-2034, Dec. 2009, Vol. 22, No. 1, pp.39-48.

3. T. Ratha Jeyalakshmi, K.Ramar, "A Modified Method for Speckle Noise Removal in Ultrasound Medical Images", International Journal of Computer and Electrical Engineering, ISSN: 1793-8198, Feb.2010, Vol.2, No.1, pp.54-58.

4. T. Ratha Jeyalakshmi, K.Ramar, "Segmentation and Feature Extraction of Fluid Filled Uterine Fibroid-A Knowledge Based Approach", Maejo International Journal of Science and Technology, ISSN: 1905-7873, Oct. 2010 , Vol.4, No.3, pp.405-416.

5. T. Ratha Jeyalakshmi, K.Ramar, "Classification of Uterine Fibroids Using Naive Bayes Approach", International Journal of Computer Engineering and Computer Applications, ISSN: 0974-4983, Dec. 2010, Vol.5, No.1, pp.01-08.

6. T.Ratha Jeyalakshmi, "A new Approach in Morphological Segmentation of Ultrasound Image", International Journal of Information Technology and Information Engineering, ISSN: 0974-4959,Jan. 2011, Vol. 1, No. 1, pp. 37-40.

7. T. Ratha Jeyalakshmi, K.Ramar, "A New Fuzzy Based Classification", International Journal of Advanced Computer Applications, ISSN: 2231-251x, Mar. 2011, Vol.1, No.1, pp. 23-27.

8. T.Ratha Jeyalakshmi, "Fusion of Thermal Images with Photographic Images", Pragnavani, ISSN :2249-6017 ,Vol. 10, No.2 , July - December 2015, pp.36- 39.

9. Lakshmi Vadivoo, D. Jenifer, T. Ratha Jeya Lakshmi, "Computer Aided Analysis System for Detection of Lung Cancer with Content Based Image Retrieval", International Journal for Research in Applied Science &

Engineering Technology , Volume 4, Issue XI, November 2016, ISSN: 2321-9653,pp.656-663.

10. Lakshmi Vadivoo, D. Jenifer, T. Ratha Jeya Lakshmi, "Sign Monitoring and Feature Extraction in Thermal Video using Principal Component Analysis", Pragnavani, ISSN :2249-6017(in press)

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PAPERS PRESENTED IN CONFERENCES

1. T. Ratha Jeyalakshmi, K.Ramar, "Various Methods to Solve Problem of Over Segmentation in Morphological Segmentation of Medical Images" National Conference on Advanced Computing (NCAC'08), 19-20, September, 2008.

2. T. Ratha Jeyalakshmi, K.Ramar, "Segmentation of Uterine Fibroid Using Morphology: An Automatic Approach", International Conference on Intelligent Agent & Multi-Agent Systems, 22-24 July 2009.

3. T. Ratha Jeyalakshmi, K.Ramar, "A Modified Morphological Method for Speckle Noise Removal in Ultrasound Medical Images", International Conference on Advanced Computing ICAC-09, 6-8 August 2009.

4. T. Ratha Jeyalakshmi, K.Ramar, P. Julia Grace,"An Unsupervised Automated Segmentation of Uterine Fibroid Using Morphology", International Conference on Advanced Computing ICAC-09,6-8 August 2009.

5. T. Ratha Jeyalakshmi, K.Ramar, "Knowledge Based Segmentation of Anechoic Uterine Fibroid", National Conference on Advanced Computing and Image Processing (NACIPAN'10), 5-6 March, 2010.

WORKSHOP/COURSES/SEMINAR PARTICIPATION

1. Participated in the "First Public Review Workshop" held at Mother Teresa University Research & Extension centre, Madurai on 31-8- 2007.

2. Participated in the one day National Level Seminar on "Image Processing and Mobile computing", held at Sri Sarada College for Women, Tirunelveli on 6-10-2007.

3. Participated in the Faculty Development Programme on "IBM Community Edition Technologies (J2EE, Eclipse, WAS, CE, DB2)", held at National Engineering College, Kovilpatti on 25-10-2007 and 26-10-2007.

4. Participated in the "PhD Aspirants Meet" held at National Engineering College, Kovilpatti on 23-11-2007 and 24-11-2007.

5. Participated in the "Second Public Review Workshop" held at Mother Teresa University Research & Extension centre, Madurai on 19-1- 2008.

6. Participated in the two day National Seminar on "Recent Trends in Real-Time Video Analysis and Processing" Organized by Department of Computer Science and Engineering, National Engineering College, Kovilpatti during 14-Nov-2008 and 15-Nov-2008.

7. Participated in the two day National Seminar on "Research Issues and Challenges towards Cognition Architecture" Organized by Department of Computer Science and Engineering, National Engineering College, Kovilpatti during 19-Dec-2008 and 20-Dec-2008.

8. Participated in the two day National Seminar on "Research Issues and Challenges on Image Processing Towards Remote Sensing" Organized by Department of Computer Science and Engineering, National Engineering College, Kovilpatti during 04-Nov-2009 and 05-Nov-2009.

9. Participated in International Conference on "International Training Workshop on Increasing the scholarly Impact and Research output" organized by IQAC, Sri Sarada College for Women, Tirunelveli on 02.03.2015.

10. Participated in National Conference on "Teaching, Learning and Evaluation" organized by IQAC, Sri Sarada College for Women, Tirunelveli on 27.08.2015.

ACTED AS RESOURCE PERSON

1.Workshop on Creation of Mobile Apps.

2. Guest Lecture on Thermal Imaging and its Applications.

ORGANIZING WORKSHOP/CONFERENCES/SEMINAR

State Level Workshop on "MATLAB" at Sri Sarada College for Women, Tirunelveli on 13.08.2014.

"Intercollegiate Meet –View IT" at Sri Sarada College for Women, Tirunelveli on 09.09.2014.

DST sponsored two day national seminar on "Research Avenues In Multimodal Biometric Authentication" at Sri Sarada College for Women, Tirunelveli during 24-07- 2015 & 25-07- 2015.

Guest lecture on "Cloud Computing" at Sri Sarada College for Women, Tirunelveli on 16.02.2015.

State Level Workshop on "SPSS" at Sri Sarada College for Women, Tirunelveli on 23.08.2015

"Intercollegiate Meet –View IT" at Sri Sarada College for Women, Tirunelveli on 09.09.2015.

Second International Conference on Advanced Computing at Sri Sarada College for Women, Tirunelveli on 17.07.2016.

Workshop on"Internet of things using arduino and raspberry pi" at Sri Sarada College for Women, Tirunelveli on 26.08.2016.

"Intercollegiate Meet –View IT" at Sri Sarada College for Women, Tirunelveli on 09.09.2016.

Workshop on "App Development in Android Mobile" at Sri Sarada College for Women, Tirunelveli during 01.03.2017and 02.03.2017.

National Seminar on "Research Avenues in Web Mining" at Sri Sarada College for Women, Tirunelveli on 01.09.2017.

TECHNICAL EDITOR FOR JOURNALS
1. Information Technology Journal
2. Research Journal of Information Technology

3. **Journal of Artificial Intelligence**
4. **Journal of Software Engineering**
5. **Asian Journal of Scientific Research**
6. **Pragnavani –A Multidisciplinary Journal**